

ABSTRACT OF THE DISCLOSURE

A liquid level monitoring system for detecting high liquid levels in a wastewater handling system, includes wireless sensor modules, a wireless network, and a processor system. Individual sensor modules are battery powered and may be located at various points in the wastewater handling system, for example, at access openings such as those provided by a manhole cover. Each sensor module includes a capacitive probe, a capacitive sensing alarm circuit, and a wireless communication device. In the event the capacitive probe depending downward from the sensor module is submerged in liquid, the alarm circuit detects the high water level and activates the wireless communication device, thus transmitting an event message to the wireless network, which in turn transmits the event message to the processing system. The processing system includes a database that stores sensor module identifiers and installed sensor module locations. An event message is used to correlate the sensor module identifier with the installed sensor location and to notify a dispatch center or other notification message recipient of the high liquid level event and location.